

Title (en)

Method for adding traces of sodium to a melt of aluminium or an aluminium alloy

Title (de)

Verfahren zum Zusetzen von Natrium-Spuren zu Aluminium- oder Aluminium-Legierungsschmelzen

Title (fr)

Procédé pour ajouter des traces de sodium dans des bains d'aluminium où alliage d'aluminium en fusion

Publication

EP 0688881 A1 19951227 (EN)

Application

EP 95200958 A 19950415

Priority

BE 9400481 A 19940509

Abstract (en)

Method for adding traces of sodium to a melt (2) of aluminium or an aluminium alloy, characterized in that an electrode (3) is immersed in the melt (2) which contains molten sodium or a molten sodium compound (5) which is separated from the melt (2) by a solid-state electrolyte (7) conducting sodium ions, and by providing a direct voltage between said electrode (3) and the melt (2). <IMAGE>

IPC 1-7

C22C 21/04; **C22C 1/02**; **C25C 3/24**

IPC 8 full level

C22C 21/04 (2006.01); **C25C 3/02** (2006.01)

CPC (source: EP)

C22C 21/04 (2013.01); **C25C 3/02** (2013.01)

Citation (search report)

- [DA] EP 0497410 A1 19920805 - STUDIECENTRUM KERNENERGI [BE]
- [A] EP 0446152 A1 19910911 - PECHINEY ALUMINIUM [FR]
- [A] DATABASE METADEX ASM/IOM; M.SUN ET AL: "ACTIVITY OF SODIUM IN LIQUID ALUMINIUM" & JOURNAL OF CENTRAL-SOUTH INSTITUTE OF MINING AND METALLURGY (CHINA), vol. 23, no. 1, pages 99 - 104

Cited by

US6599413B1; US10326187B2; WO9960180A1

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